

**VITA**  
**PETER BARTOK**  
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**PETER BARTOK** is a Petroleum Exploration Consultant with experience applying a wide variety of tools from both geology and geophysics in order to achieve risk reduction. With 40 years in the oil industry, 20 of which were spent as a geophysicist, he has evaluated prospects in over 40 basins of the world including Latin America, Europe, China and West Africa and has extensive experience working on both conventional and unconventional resources. His current area of investigations is in the application of rock physics elastic parameters to exploration. While at BP his experience included Project Management for Latin America and US Chief Onshore Geologist. He defined the exploration techniques that led to the discovery of the Pinda carbonates in Angola, participated as an interpreter in several major discoveries in Venezuela and the Xan oil discovery in Guatemala.

He has taught the following courses:

Basic Seismic Interpretation  
Sequence Stratigraphy  
Geology for Geophysicists  
Petroleum Geology (Introductory and Advanced)  
Salt Tectonics  
Structural Geology

## **PROFESSIONAL EXPERIENCE**

**Petroskills**  
*Instructor-Houston*

**2013- present**

Instructor of seismic interpretation: general principles and techniques.

**Petroleum Exploration**  
*Consultant - Houston*

**1990 – present**

Generated prospects and carried out regional studies in the Gulf of Mexico Onshore (Mesozoic and Tertiary), Montana Rocky Mountains and Williston Basins. Projects involved integrating seismic and geologic information.

Carried out special consulting studies on specific geologic problems that require specific regional knowledge, and expertise in structural geology and sedimentology. Client companies include Pemex (5 years, Reforma, Burgos, Tampico-Misantla Basins), Shell (Alberta Basin –

Paleozoic and Mesozoic)), Chevron-Texaco, PDVSA (Venezuelan National Oil company), Conoco-Phillips, Exxon-Mobil, Total, Repsol, World Bank.

As a consultant for PDVSA coordinated the technical aspects of the evaluation of the Maracaibo Basin Eocene sequence by integrating all PDVSA seismic and well data and applying a detailed sequence stratigraphic approach.

### **BP Exploration**

**1982 - 1990**

*Latin America Project Manager – UK; Chief Onshore Geologist - US*

Coordinated BP's exploration of all South American Basins both onshore and offshore.

Coordinated and enhanced the exploration effort of the Yegua trend in Texas, the Smackover, Norphlet trend in the Eastern Gulf of Mexico; and improved the exploration strategy in the Wyoming thrust belt.

Evaluated prospects in over 40 basins of the world: Latin America, Europe, China, West Africa.

*Research Scientist – Houston/London*

Magnetic Research: Chief research scientist on investigations related to high sensitivity aeromagnetism in Europe, Canada and the Gulf of Mexico. The project involved a detailed understanding of the application of high frequency residual magnetic anomalies in close flight line spacing and comparing the results with subsurface data.

Studies on the Role of CO<sub>2</sub> and Diagenesis in the Sub-Salt of the Southern North Sea : Carried out investigations on the effects of CO<sub>2</sub> dissolution in subsalt siliciclastics of the Rotliegendes Sandstone (Permian) Southern North Sea resulting from the lowering of the isotherms due to the higher thermal conductivity of salt. The CO<sub>2</sub> originates from the Westphalian coal beds that underlie the Rotliegendes Fm.

### **Texaco**

**1972 – 1975 & 1980 - 1982**

*Project Leader and Pathfinder – Caracas/Miami*

Involved with all aspects of exploration in Venezuela, Paraguay, Angola, Guatemala and Brazil. Drilled the discovery well Xan-1 in Guatemala and recommended entry into northern Brazil.

Defined the exploration technique that led to the discovery of the Pinda carbonates in Angola.

### **PDVSA**

**1975 - 1980**

*Lead Geologist – Heavy Oil Belt & Cretaceous (Maracaibo Basin) - Caracas*

Directed the initial exploration effort of the San Diego trend; currently one of the three principal producing trends of the Heavy Oil Belt in Venezuela.

A four year investigation of the Cretaceous of the Maracaibo Basin led to landmark redefinitions of the play concept and multiple publications on the topic.

## **EDUCATION**

*State University of New York, Buffalo, NY, Master's, 1973, Geology*

*State University of New York, Buffalo, NY, Bachelor's, 1969, Geology*

## **PUBLICATIONS**

Blanco, J, P. Mann, P. Bartok, 2013, **Subsurface Structure, Stratigraphy and Hydrocarbons of the Falcon Basin: An Inverted Hydrocarbon Bearing Rift Basin in Western Venezuela.** AAPG International Conference, Cartagena.

P. Mann, A. Escalona, P. Bartok, 2006, **Field trip guide to the Falcon Basin, northwestern Venezuela.** Caribbean Basins, Tectonics and Hydrocarbons Research Project, Institute of Geophysics, University of Texas Austin (private circulation)

Martinez K,H.,M. Valera S, P. Bartok, S. Ghosh, 2005, **The Artesa Mundo Nuevo Platform of the Chiapas-Tabasco Region, South-East Basin, Mexico: an Enigma.** GCAGS 55th Annual Conv. New Orleans.

Martinez K.H., J.F. Gozalez P.,P. Bartok, 2005, **Salt Involvement in the Jujo Tecominoacan Thrust Belt, Chiapas-Tabasco Region, South East Basin Mexico,** GCAGS 55th Annual Conv. New Orleans

Bartok, P. , 2003, **The Peripheral Bulge of the Interior Range of the Eastern Venezuela Basin and its Impact on Oil Accumulations: in The Circum Gulf of Mexico and Caribbean: Hydrocarbon Habitats Basin Formation and Plate Tectonics;** ed. C. Bartolini, R. Buffler and J. Blickwede. AAPG Memoir 79, 179p.

Ghosh, S. and P. Bartok, 1997, **Estratigrafía y evolución del Margen Continental del Mesozoico al Paleogeno de los Andes Venezolanos. Sociedad Venezolana de Geólogos,**Edición Especial. Excursión No. 3 del VIII Congreso Geológico Venezolano. 121 p.

Bartok, P.,1993, **Pre-breakup geology of the Gulf of Mexico-Caribbean: its relation to Triassic-Jurassic rift systems of the region.** Tectonics, v. 12, p. 441-459.

Bartok, P. and T. Boesi, 1996, **The East Falcon Basin: Its Caribbean Roots.** AAPG International Meeting, Caracas (Poster).

Bartok, P. E., O. Renz, and G. E. G. Westermann, 1985, **The Siquisique ophiolites, northern Lara State, Venezuela: A discussion on their Middle Jurassic ammonites and tectonic implications,** Geol. Soc. Am. Bull., 96, 1050-1055.

Bartok, P. E., T. J. A. Reijers, and I. Juhasz, Lower Cretaceous Cogollo Group, 1981, **Maracaibo Basin, Venezuela: Sedimentology, diagenesis and petrophysics**, A.A.P.G. Bull., 65, 1110-1134.

Feo-Codecido, G., Martin Bellizzia, C., Bartok, P., 1974, **Excursion geologica a la Peninsula de Paraguana**. Asoc. Ven. Geol. Min. Pet. 22p.

Hunter, V. F., and Bartok, P., 1974, **The age and correlation of the Tertiary sediments of the Paraguana Peninsula, Venezuela**. Mem. VII Car. Geol. Conf., p. 497-504.

### **SPECIAL SKILLS**

Fluent in technical Spanish and English